



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WindCalm Windows & Doors, Inc.

13100 SW 134 Street, Unit #7

Miami, FL 33186

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "100" Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W14-17, titled "Series-100 Alum Single Hung Wdw. (L.M.I)", sheets 1 through 4 of 4, dated 04/08/14, with revision A dated 07/23/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above, The submitted documentation was reviewed by **Manuel Perez, P.E.**



Handwritten signature and date: 7/25/14

NOA No. 14-0515.03
Expiration Date: July 31, 2019
Approval Date: July 31, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. W14-17, titled "Series-100 Alum Single Hung Wdw. (L.M.I.)", sheets 1 through 4 of 4, dated 04/08/14, with revision A dated 07/23/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7608, dated 03/20/14, signed and sealed by Marlin Brinson, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-5th Edition (2014), dated April 28, 2014, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 03/28/13, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-5th Edition (2014), and of no financial interest, dated April 02, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Test proposal issued by the Product Control Section, dated 10/25/13, signed by Jaime Gascon, P.E. Supervisor, Product Control Section.

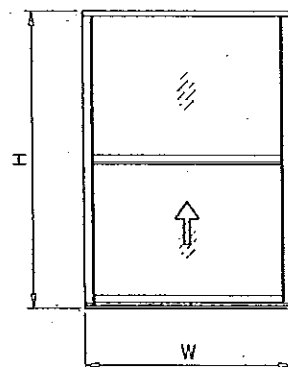
G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0515.03
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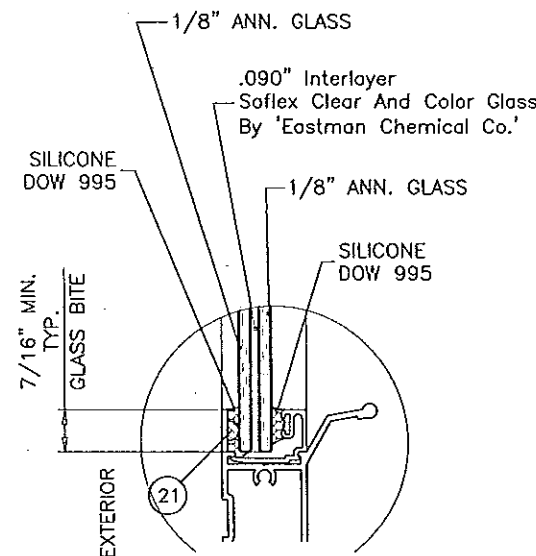
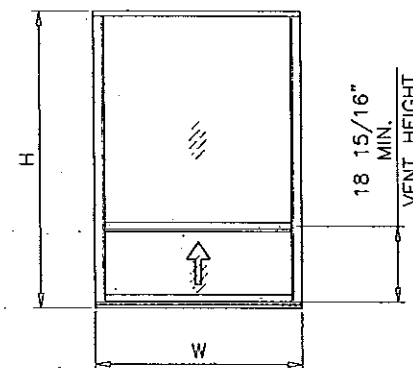
EQUAL LITES WINDOWS DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	38-3/8"	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"	50-5/8"	70.0	70.0
53-1/8"		70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"	59"	70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"		70.0	70.0
26-1/2"	63"	70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"		69.1	69.1
19-1/8"	74"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	74-1/4"	68.6	68.6
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"	74-1/4"	70.0	70.0
53-1/8"		70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0

* NUMBER IN PARENTHESIS INDICATE MIN. NO. OF ANCHORS PER JAMB.



UNEQUAL LITES (ORIEL TYPES) WDW. DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	50-5/8"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	59"	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"	63"	70.0	70.0
53-1/8"		70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"	74"	70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"		70.0	70.0
26-1/2"	74-1/4"	70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"		70.0	70.0

* NUMBER IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



GLAZING DETAIL
5/16" OVERALL NOM. THK.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

SERIES-100 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

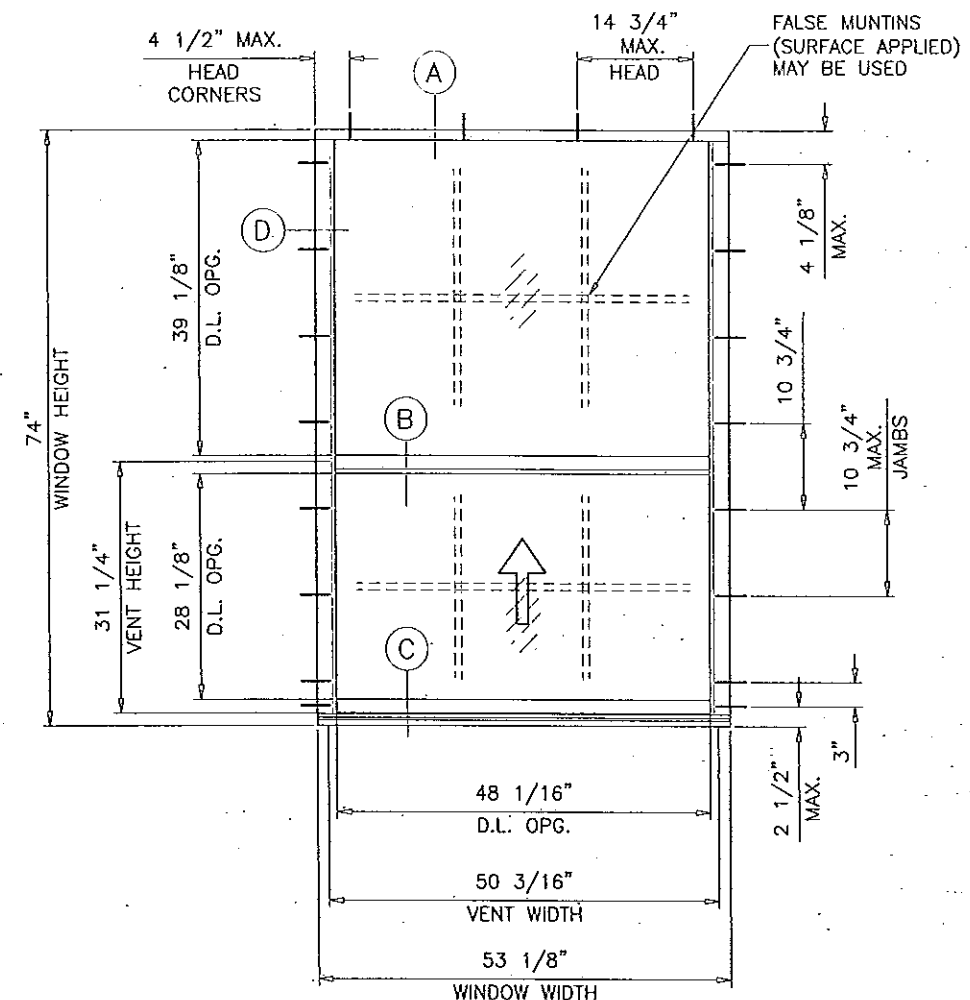
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.



TYPICAL ELEVATION
TESTED UNIT

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

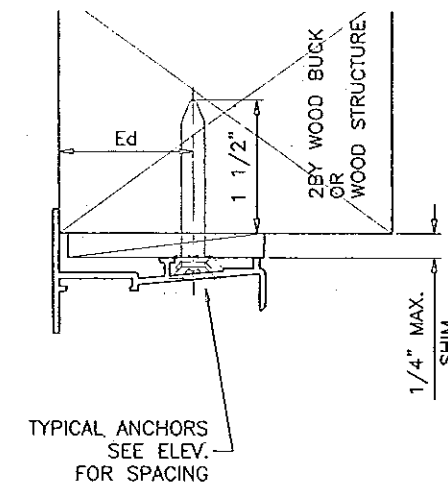
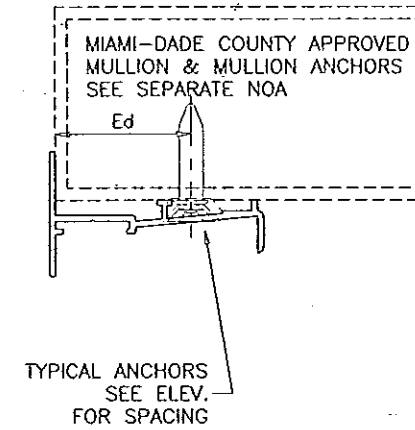
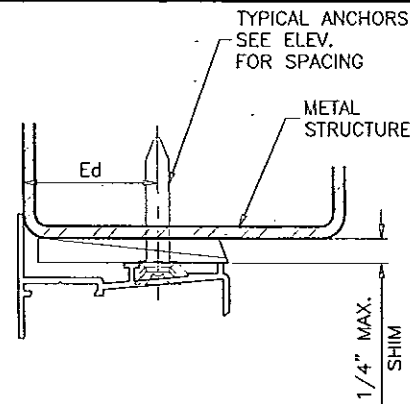
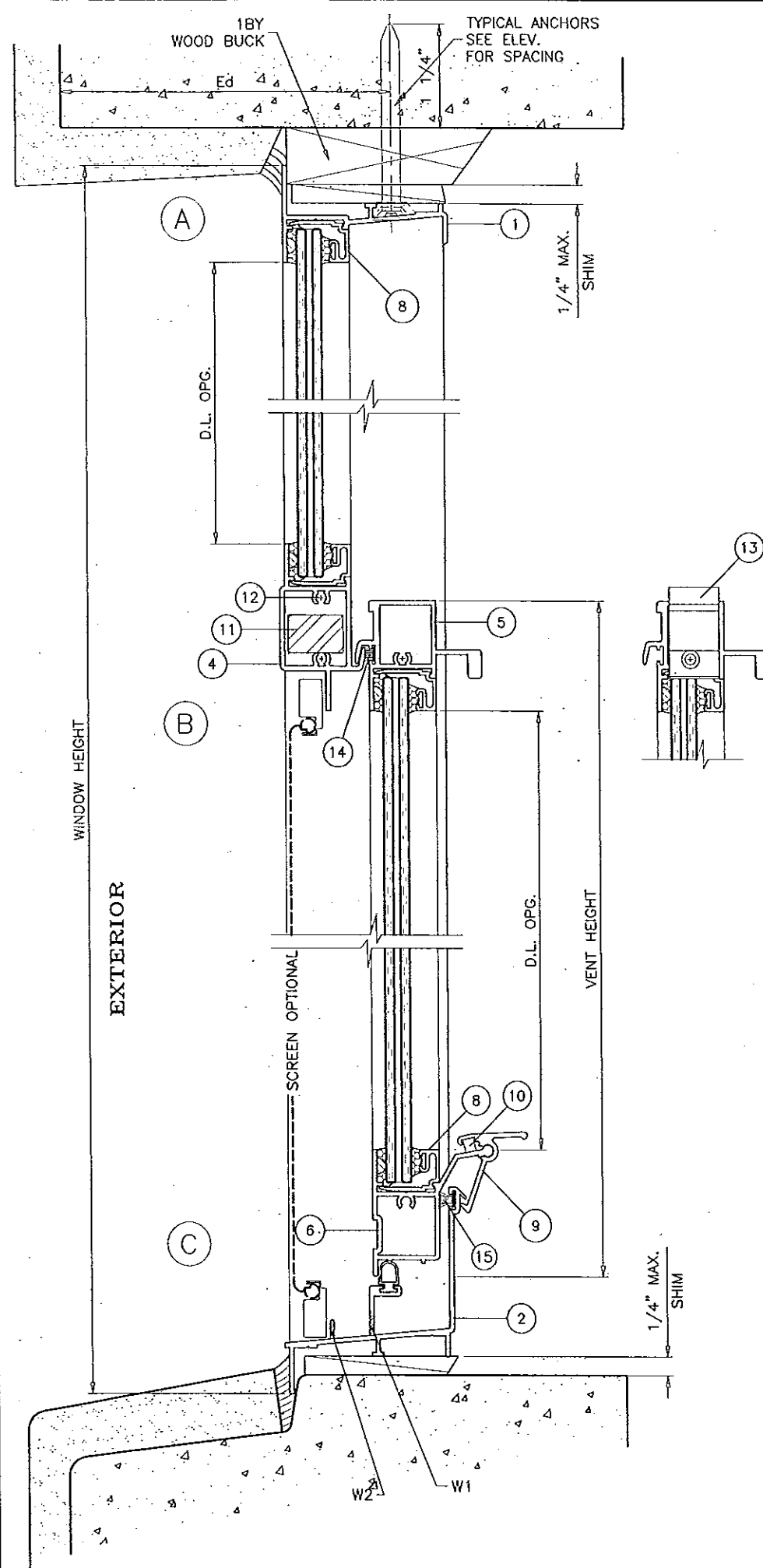
Approved as complying with the
Florida Building Code
Date: July 31, 2014
NDAA# 14-0513-03
Miami Dade Product Control

JUL 24 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W14-17WWI

SERIES-100 ALUM SINGLE HUNG WDW. (L.M.I.)
WINDCALM WINDOWS & DOORS, INC.
13100 S.W. 134 STREET UNIT #7
MIAMI, FL. 33186
TEL (305) 969-1955 FAX (305) 969-1077

revisions:	no	date	by	description
	A	07/23/14		REV. PER PER COMMENTS
date:	04-08-14			
scale:	1/2" = 1"			
dr. by:	HAMID			
chk. by:				
drawing no.	W14-17			
sheet	1 of 4			



WOOD BUCKS AND METAL STRUCTURE NOT BY WINDCALM WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2Bx WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1Bx BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES

STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
(NO SHIM SPACE)

Ed = ANCHOR EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
SCHNEE MOREHEAD SEAM SEALER SM5504.

WEEPHOLES:

W1 = 1" X 3/8" WEEPHOLES AT 2-3/4" FROM EACH END
W2 = 1" LONG NOTCH AT EACH END

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CML
FLA. PE # 70592
C.A.N. 3538
JUL 24 2014

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NOA# 14-0515-03
Miami Dade Product Control
By: [Signature]

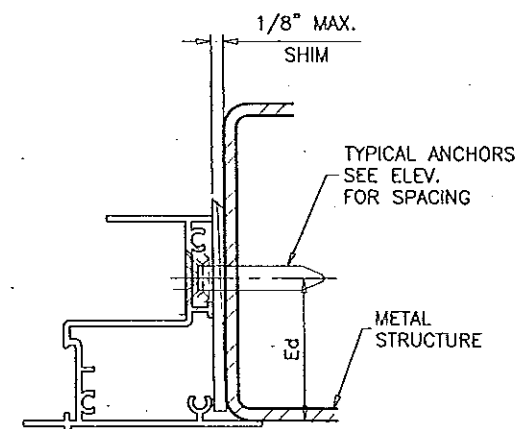
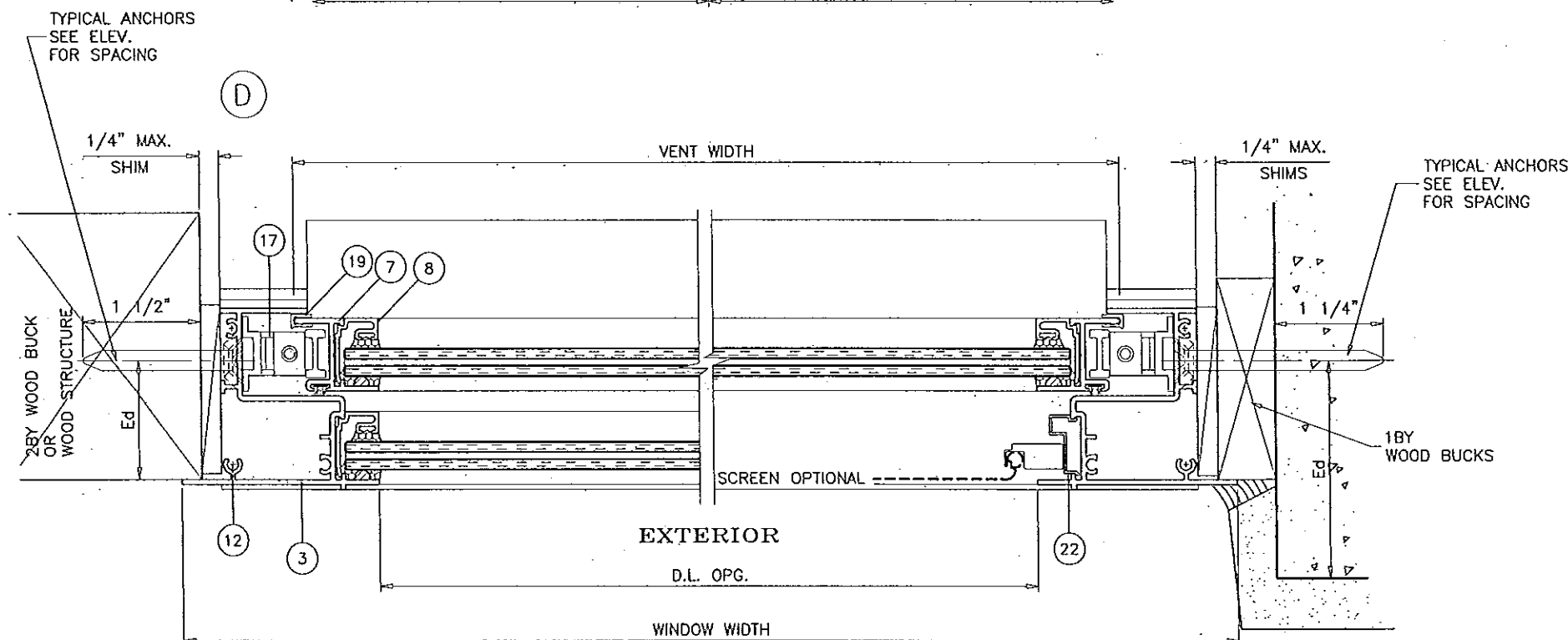
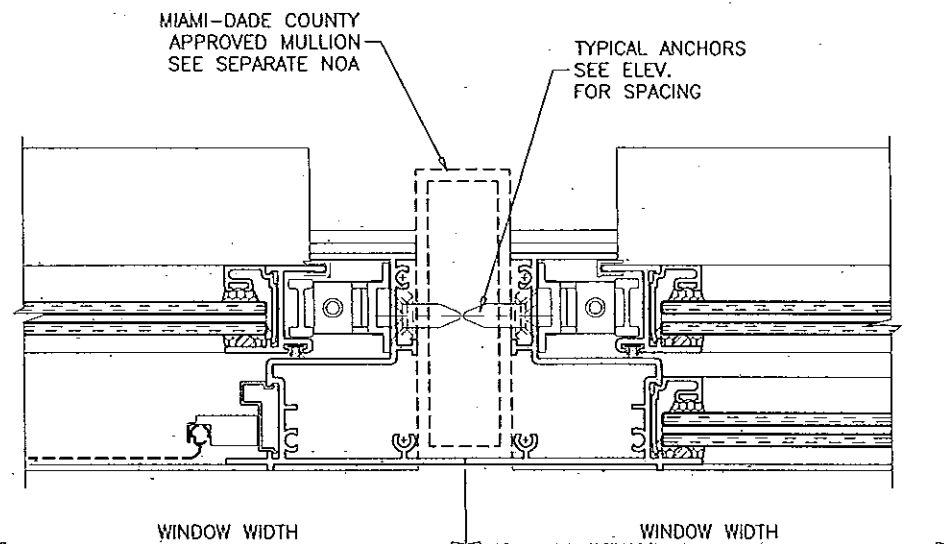
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W14-17\W1

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Revisions:		date	by	description
no	date	by	description	REV. PER REV. COMMENTS
1	07.23.14	A		
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date: 04-08-14
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no.
W14-17
sheet 2 of 4

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	VW-101	1	FRAME HEAD	6063-T6	-
2	VW-102	1	FRAME SILL	6063-T6	-
3	VW-103	2	FRAME JAMB	6063-T6	-
4	VW-104	1	FIXED MTG. RAIL	6063-T5	-
5	VW-110	1	H.D. VENT TOP RAIL	6063-T6	-
6	VW-106	1	VENT BOTTOM RAIL	6063-T6	-
7	VW-107	2	VENT SIDE RAIL	6063-T6	-
8	VW-120	AS REQD.	GLAZING BEAD	6063-T6	-
9	VW-108	2/VENT	VENT LATCH @ 8" FROM ENDS	6063-T6	-
10	VW-116	1/LATCH	LATCH SPRING	ST. STEEL	-
11	-	1	FIXED MTG. RAIL REINFORCING	STEEL	-
12	#8 X 1"	20	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
13	VW-109	2/VENT	SASH CAM CLIP	6063-T5	-
14	W22184NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
15	W22254NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
16	W22174NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
17	-	2/VENT	BLOCK & TACKLE BALANCE	-	-
18	-	2	SASH STOP	RIGID PVC	-
19	VW-112	-	VENT JAMB LINER	RIGID PVC	-
20	-	1	5/16" BOX SCREEN	-	OPTIONAL
21	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
22	VW-115	AS REQD.	SCREEN ADAPTER	RIGID PVC	-



Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
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By: *[Signature]*

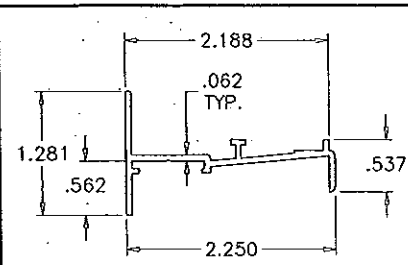
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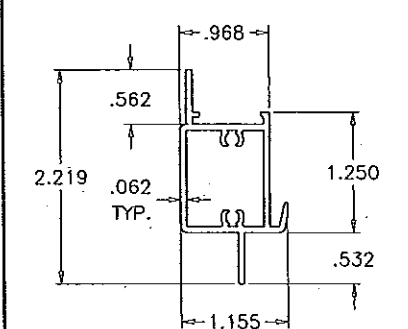
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	A	07.23.14		REV. PER COMMENTS

date: 04-08-14
scale: 1/2" = 1"
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chk. by:

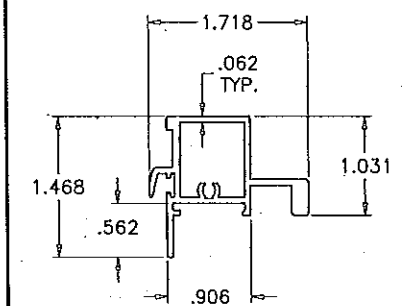
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W14-17
sheet 3 of 4



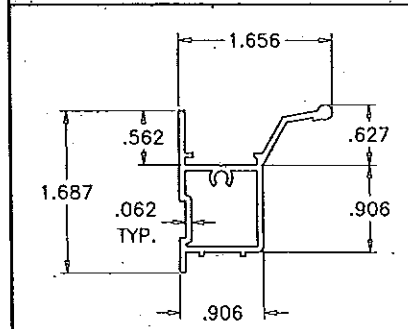
1 FRAME HEAD



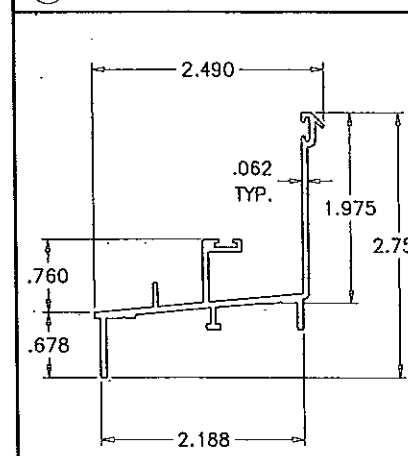
4 MEETING RAIL



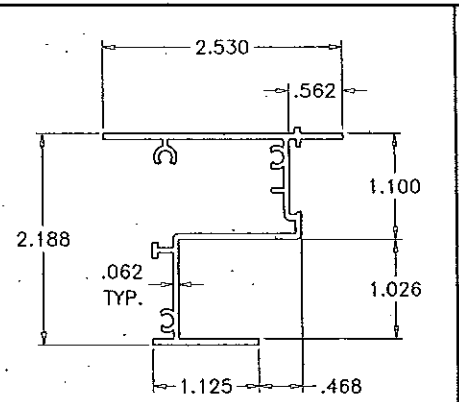
5 VENT TOP RAIL



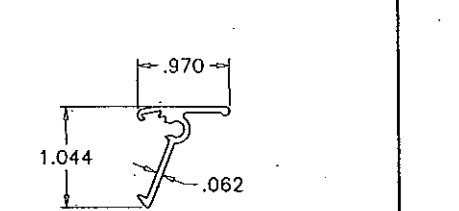
6 VENT BOTTOM RAIL



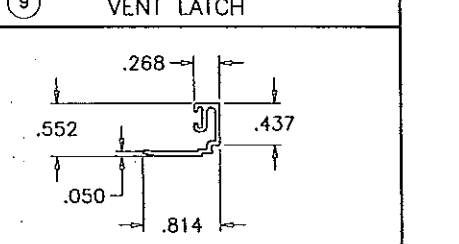
2 FRAME SILL



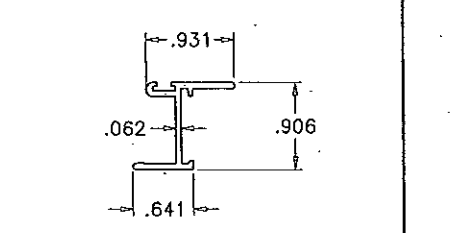
3 FRAME JAMB



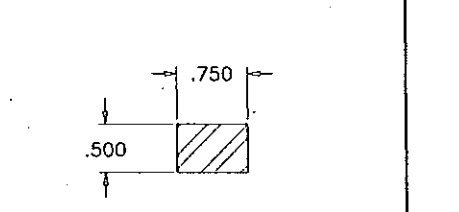
9 VENT LATCH



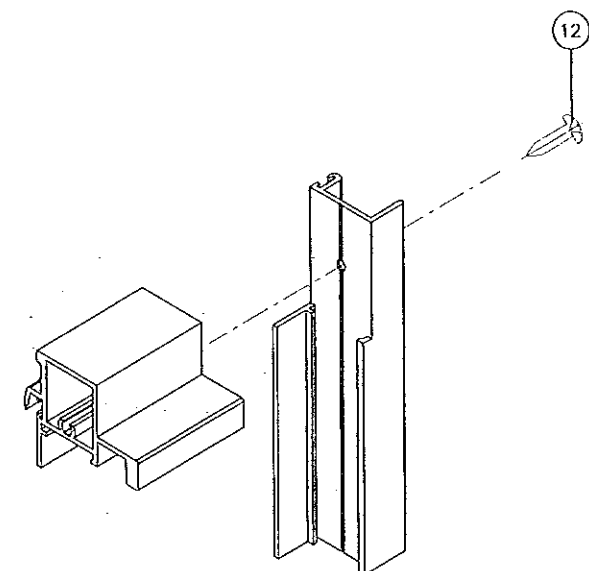
8 GLAZING BEAD



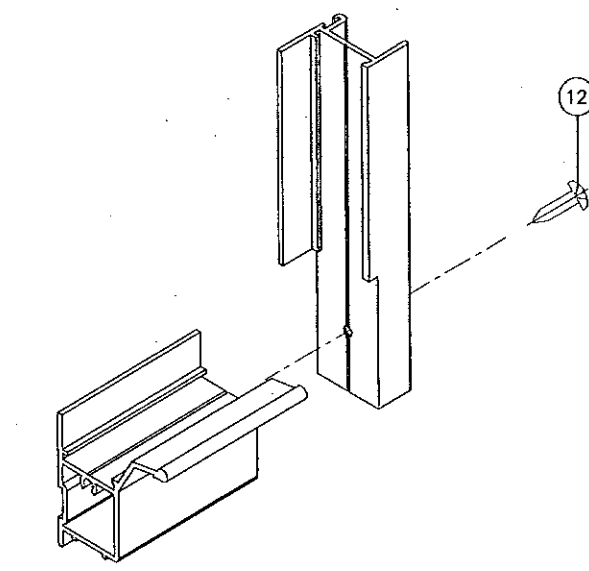
7 VENT SIDE RAIL



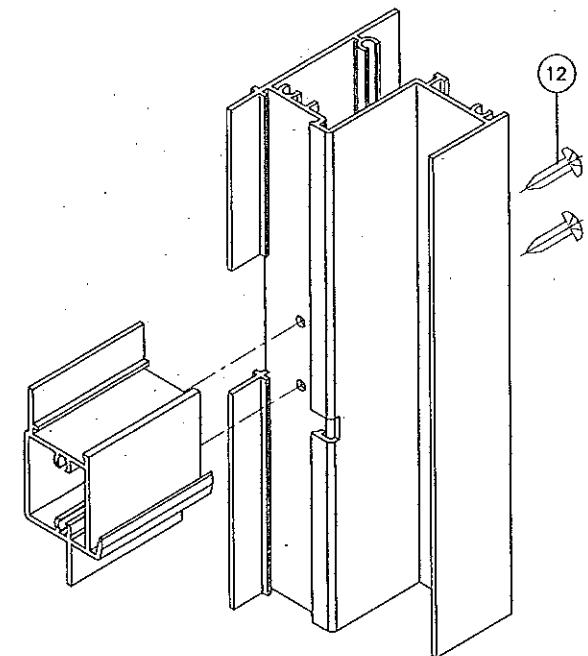
11 FIXED MTG. RAIL REINF.



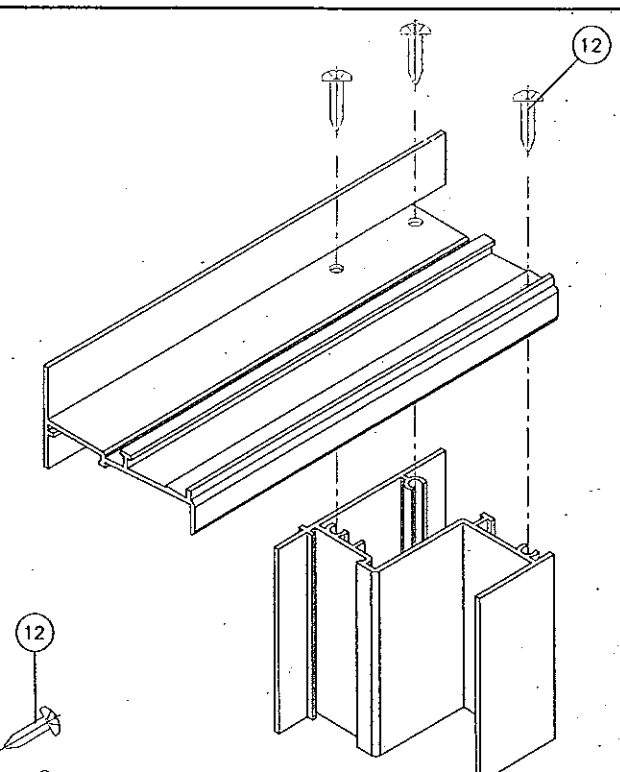
VENT TOP CORNER



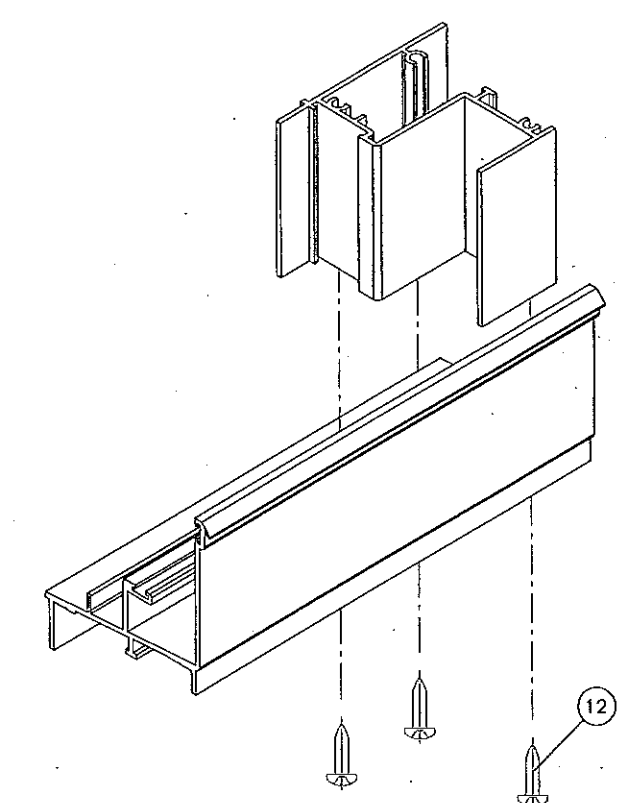
VENT BOTTOM CORNER



FIX. MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

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ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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TEL. (305) 264-8100 FAX. (305) 262-6978
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afC

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12

REVISIONS:		BY	DESCRIPTION
no.	date		
A	07/23/14		REV. PER COMMENTS

date: 04-08-14
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W14-17
sheet 4 of 4